

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 05/16/2022 09:59 AM
Cytometer Baseline: 01/20/2022 09:34 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 32272 **Expiration Date:** 09/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124713	-1	1.29	124634	1.25
Blue	F	SSC	125000	124761	-1	2.35	125285	2.14
Blue	E	FITC	13602	13281	-3	2.27	371	13.79
Blue	D	PE	24891	24618	-2	1.61	585	10.59
Blue	B	PerCP-Cy5-5	33972	33161	-3	2.95	947	15.35
Blue	A	PE-Cy7	22865	22718	-1	5.00	472	31.19
Red	C	APC	47198	46449	-2	2.69	1605	11.57
Red	A	APC-Cy7	26454	25453	-4	3.03	717	12.70
Violet	B	V450	6737	6392	-6	3.39	445	11.31
Violet	A	V500	29317	28008	-5	2.88	957	8.32

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24055	2.40	567	32	N/A	N/A	Pass
Blue	F	SSC	56091	1.88	523	2	N/A	N/A	Pass
Blue	E	FITC	56	57.02	491	7	0.0428	220	Pass
Blue	D	PE	113	39.41	494	8	0.3935	313	Pass
Blue	B	PerCP-Cy5-5	149	42.77	588	9	0.0186	81	Pass
Blue	A	PE-Cy7	77	82.37	632	11	0.0214	3	Pass
Red	C	APC	336	26.76	576	4	0.0282	255	Pass
Red	A	APC-Cy7	135	34.73	553	2	0.0058	986	Pass
Violet	B	V450	77	46.82	452	2	0.0602	2504	Pass
Violet	A	V500	113	33.09	472	3	0.0258	1264	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.65	-31.54	1.01
Blue	20.35	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.44
Red	14.69	13.90 - 20.86	N/A	N/A	29.76	30.06	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 10475

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments